

### DATA UNTUK ITEM GANJIL

[illegible]

## DATA UNTUK ITEM GENAP

No	NIS	Skor untuk butiran no															Skor total
		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	
1	15164	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	12
2	15165	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	14
3	15166	0	1	1	0	1	1	1	1	0	1	1	1	1	1	1	11
4	15167	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	14
5	15168	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	14
6	15169	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
7	15170	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	12
8	15171	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	13
9	15172	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
10	15173	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	13
11	15174	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	14
12	15175	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	13
13	15176	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	13
14	15177	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
15	15178	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	14
16	15179	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	14
17	15180	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	12
18	15181	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	13
19	15182	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	13
20	15183	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
21	15184	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
22	15185	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	13
23	15186	1	1	0	1	1	1	1	0	1	1	1	1	0	1	1	12
24	15187	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	14
25	15188	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
26	15189	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	14
27	15190	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	12
28	15191	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	13
29	15192	1	0	1	1	1	0	1	1	1	1	0	1	0	1	1	11
30	15193	0	1	1	0	1	1	1	1	1	1	0	1	0	1	1	11
31	15194	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	13
32	15195	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	14

Perhitungan reliabilitas instrumen menggunakan *r product moment* dan rumus Spearman Brown

No	Nis	Ganjil ( $X_i$ )	Genap ( $Y_i$ )	$X_i^2$	$Y_i^2$	$X_i Y_i$
1	15164	11	12	121	144	132
2	15165	13	14	169	196	182
3	15166	13	11	169	121	143
4	15167	13	14	169	196	182
5	15168	10	14	100	196	140
6	15169	14	15	196	225	210
7	15170	12	12	144	144	144
8	15171	11	13	121	169	143
9	15172	11	15	121	225	165
10	15173	10	13	100	169	130
11	15174	14	14	196	196	196
12	15175	15	13	225	169	195
13	15176	14	13	196	169	182
14	15177	13	15	169	225	195
15	15178	14	14	196	196	196
16	15179	15	14	225	196	210
17	15180	13	12	169	144	156
18	15181	11	13	121	169	143
19	15182	12	13	144	169	156
20	15183	14	15	196	225	210
21	15184	14	14	196	196	196
22	15185	15	13	225	169	195
23	15186	13	12	169	144	156
24	15187	13	14	169	196	182
25	15188	13	15	169	225	195
26	15189	14	14	196	196	196
27	15190	12	12	144	144	144
28	15191	12	13	144	169	156
29	15192	8	11	64	121	88
30	15193	12	11	144	121	132
31	15194	10	13	100	169	169
32	15195	15	14	225	196	210
		$\sum X_i = 404$	$\sum Y_i = 425$	$\sum X_i^2 = 5192$	$\sum Y_i^2 = 5689$	$\sum X_i Y_i = 5390$

1. Harga  $r$  hitung

$$r_{xy} = \frac{N\sum X_i Y_i - (\sum X_i)(\sum Y_i)}{\sqrt{\{N\sum X_i^2 - (\sum X_i)^2\}\{N\sum Y_i^2 - (\sum Y_i)^2\}}}$$

$$r_{xy} = \frac{32 \times 5379 - 404 \times 425}{\sqrt{\{32 \cdot 5192 - (404)^2\}\{32 \cdot 5689 - (425)^2\}}}$$

$$r_{xy} = \frac{172128 - 171700}{\sqrt{\{166144 - 163216\}\{182048 - 180625\}}}$$

$$r_{xy} = \frac{428}{\sqrt{2928 \cdot 1432}}$$

$$r_{xy} = \frac{428}{\sqrt{4166544}}$$

$$r_{xy} = \frac{428}{2041,21}$$

$$r_{xy} = 0,2096$$

Kemudian dimasukkan ke dalam rumus *Spearman Brown*,

$$r_i = \frac{2r_b}{1 + r_b}$$

$$r_i = \frac{2 \cdot 0,2096}{1 + 0,2096}$$

$$r_i = 0,3466$$

jadi harga  $r$  hitung = 0,3466

2. Harga  $r$  tabel

Berdasarkan tabel  $r$  product moment dengan  $n = 32$  dan taraf signifikan 5%, maka diketahui harga  $r$  tabel = 0,349

## 3. Kesimpulan

Harga  $r$  hitung lebih kecil dari harga  $r$  tabel ( $r_h = 0,3466 < r_t = 0,349$ ), maka dapat disimpulkan instrumen tersebut reliabel.